Fig. 1

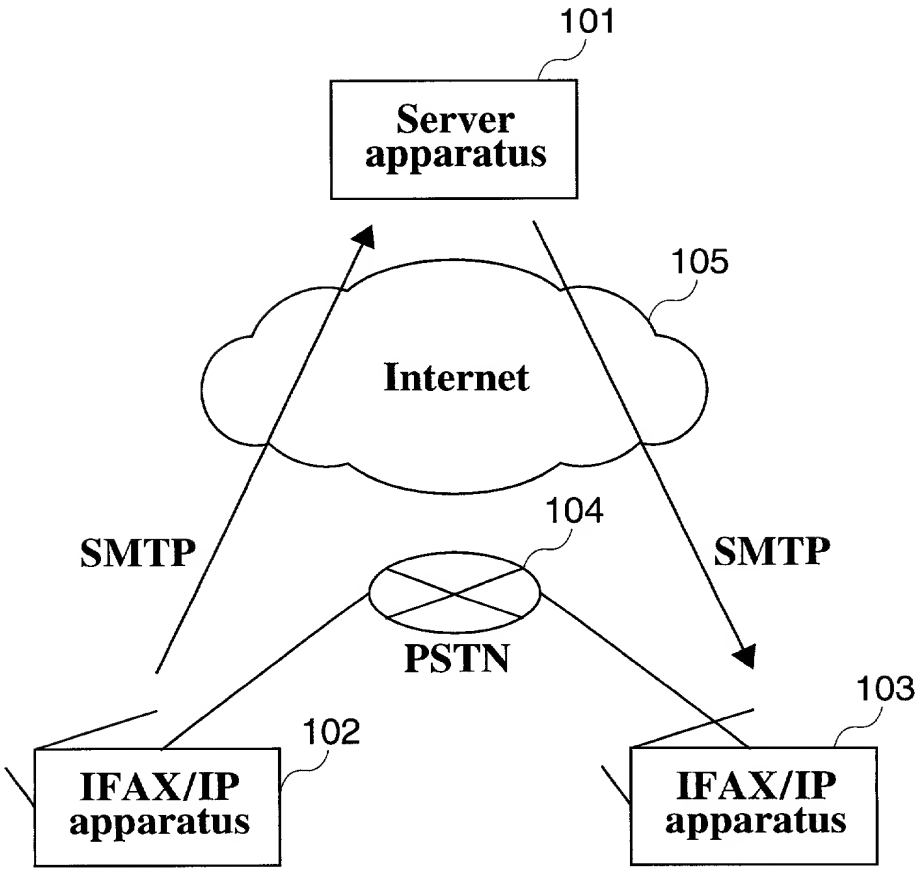
101
Server apparatus
105
Internet
104
SMTP
SMTP
PSTN
103
102
IFAX/IP apparatus
IFAX/IP apparatus

Fig. 2

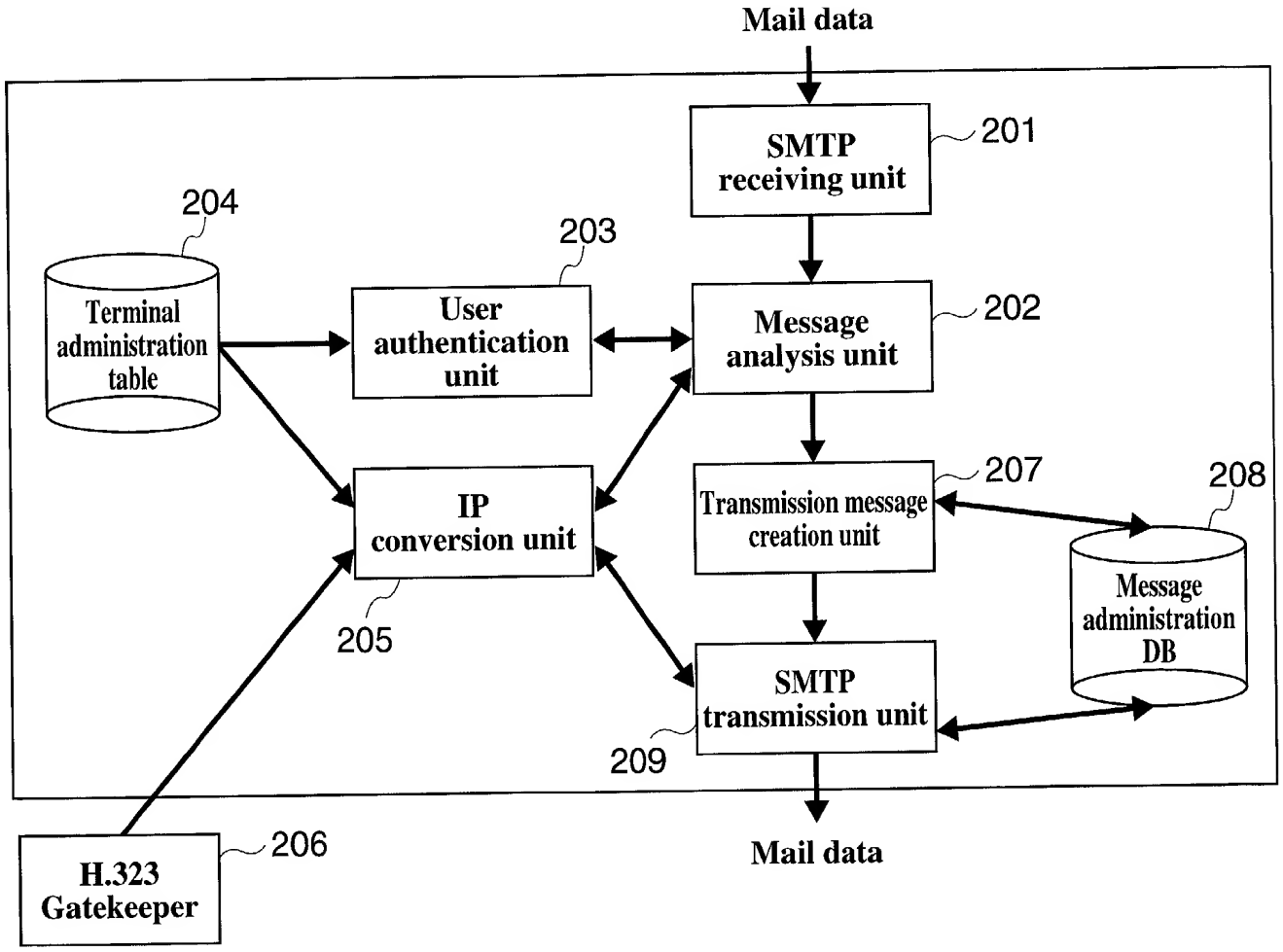
Mail data
SMTP receiving unit
201
204
203
Terminal administration table
User authentication unit
Message analysis unit
202
IP conversion unit
205
Transmission message creation unit
207
208
Message administration DB
SMTP transmission unit
209
Mail data
H.323 Gatekeeper
206

Fig. 3

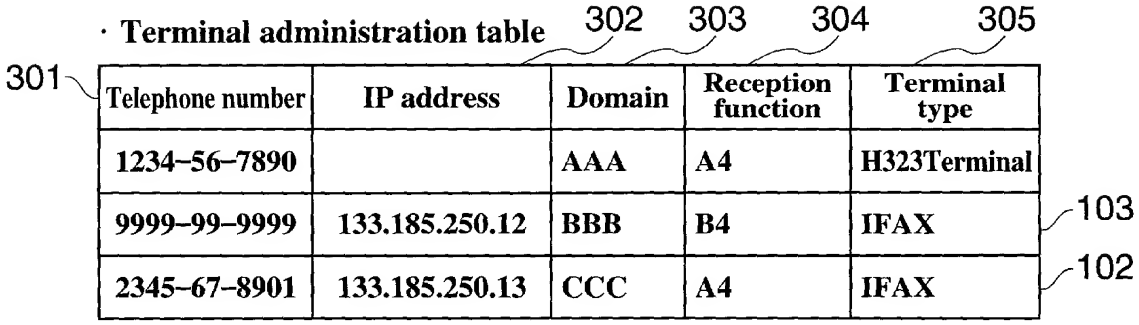

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Fig. 4

· **Telephone number / Address administration table**

Telephone number	IP address
1234–56–7890	133.185.250.11
9999–99–9999	133.185.250.12
2345–67–8901	133.185.250.13

Fig. 5

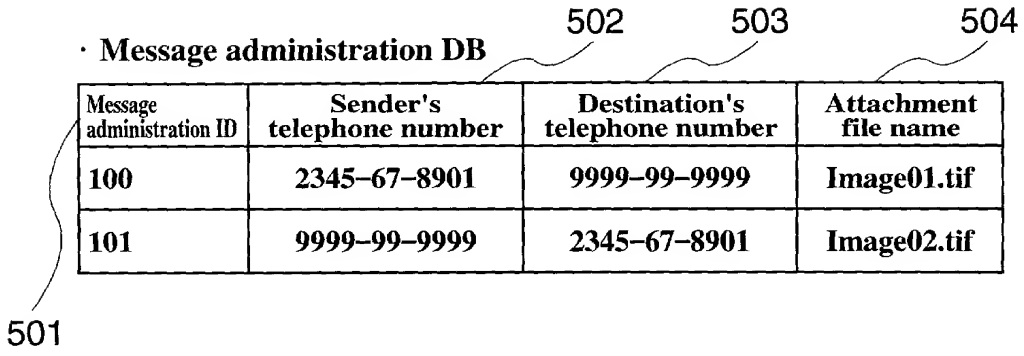

· Message administration DB
502
503
504
Message administration ID
Sender's telephone number
Destination's telephone number
Attachment file name
100
2345-67-8901
9999-99-9999
Image01.tif
101
9999-99-9999
2345-67-8901
Image02.tif
501

Fig. 6

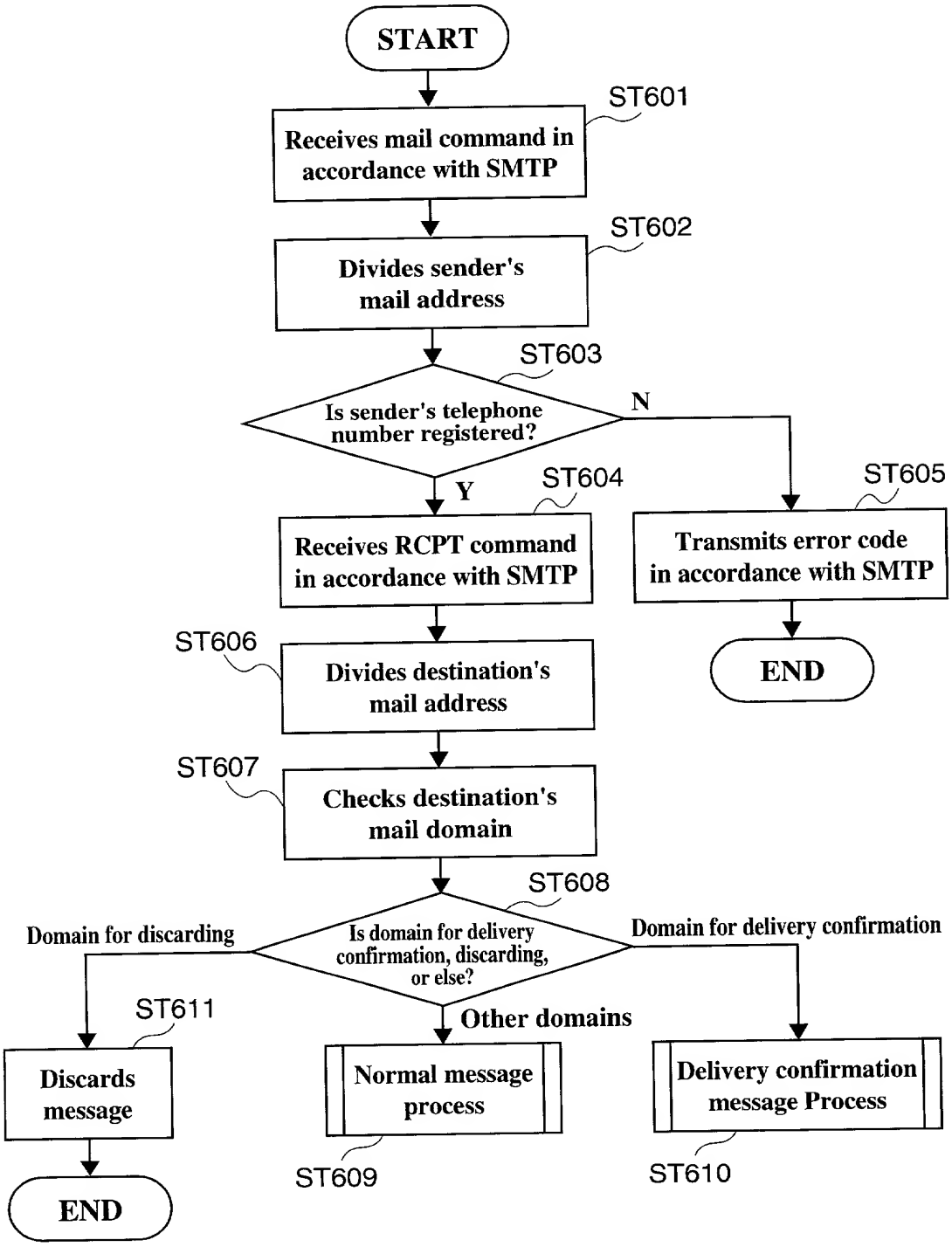

START
ST601
Receives mail command in accordance with SMTP
ST602
Divides sender's mail address
ST603
Is sender's telephone number registered?
N
Y
ST604
Receives RCPT command in accordance with SMTP
ST605
Transmits error code in accordance with SMTP
END
ST606
Divides destination's mail address
ST607
Checks destination's mail domain
ST608
Is domain for delivery confirmation, discarding, or else?
Domain for discarding
Other domains
Domain for delivery confirmation
ST611
Discards message
END
Normal message process
ST609
Delivery confirmation message Process
ST610

Fig. 7

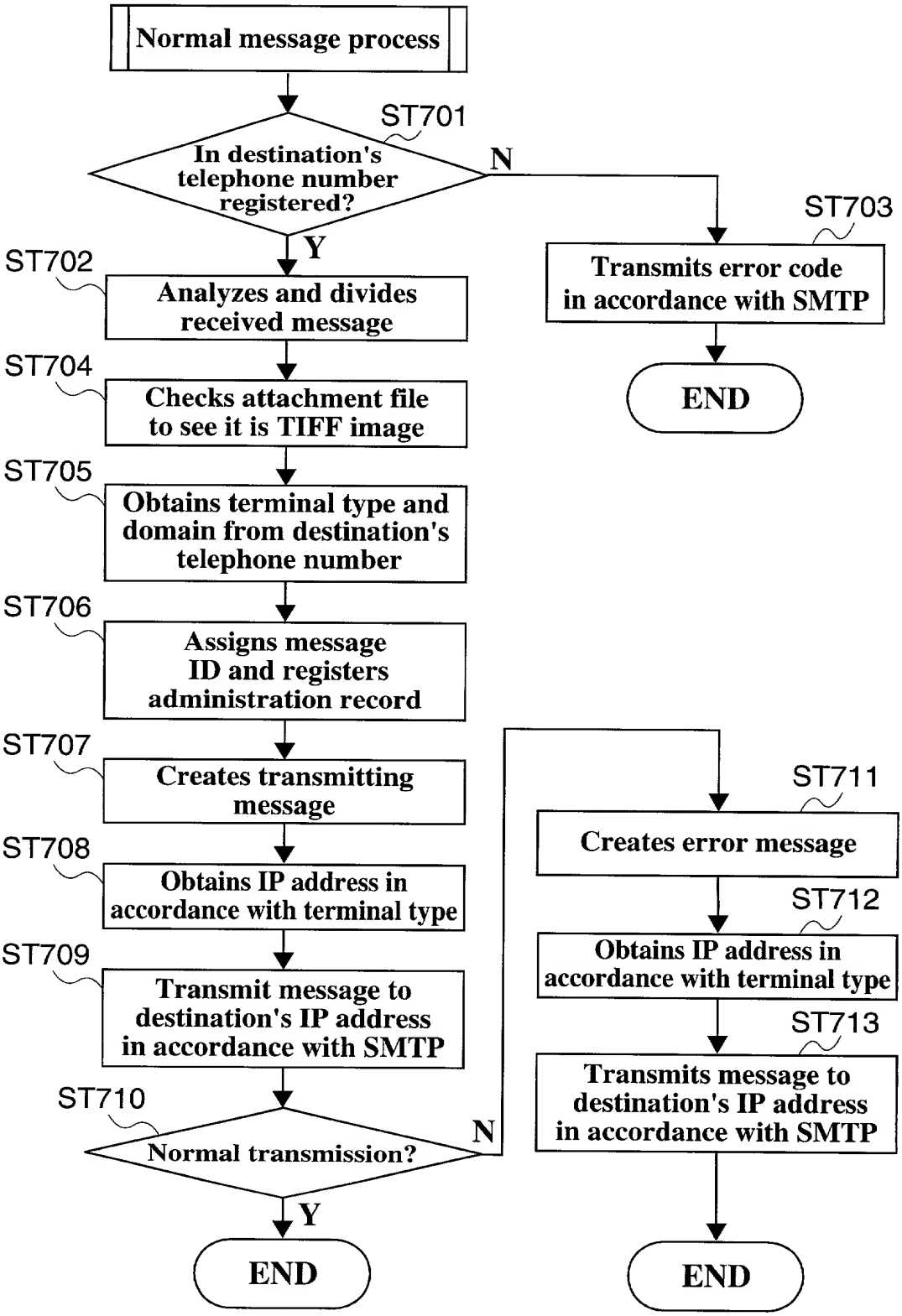
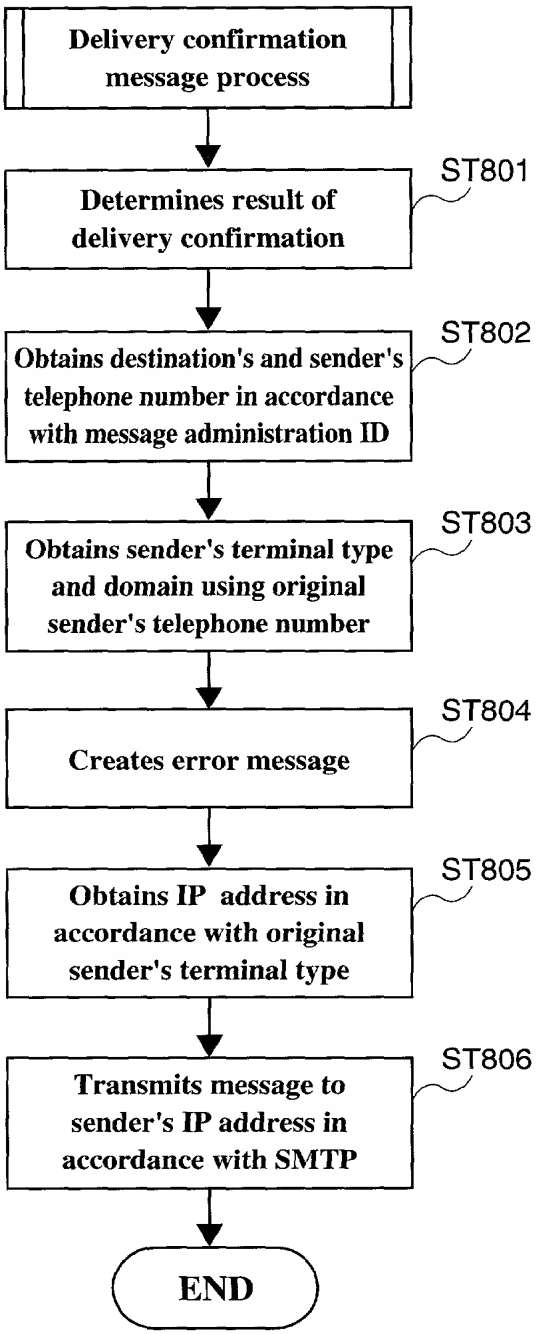

Normal message process
ST701
In destination's telephone number registered?
N
Y
ST703
Transmits error code in accordance with SMTP
END
ST702
Analyzes and divides received message
ST704
Checks attachment file to see it is TIFF image
ST705
Obtains terminal type and domain from destination's telephone number
ST706
Assigns message ID and registers administration record
ST707
Creates transmitting message
ST708
Obtains IP address in accordance with terminal type
ST709
Transmit message to destination's IP address in accordance with SMTP
ST710
Normal transmission?
N
Y
END
ST711
Creates error message
ST712
Obtains IP address in accordance with terminal type
ST713
Transmits message to destination's IP address in accordance with SMTP
END

Fig. 8


Delivery confirmation message process
Determines result of delivery confirmation
ST801
Obtains destination's and sender's telephone number in accordance with message administration ID
ST802
Obtains sender's terminal type and domain using original sender's telephone number
ST803
Creates error message
ST804
Obtains IP address in accordance with original sender's terminal type
ST805
Transmits message to sender's IP address in accordance with SMTP
ST806
END